

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Matsushita, et al. )  
 App. No. : 10/062,189 )  
 Filed : January 30, 2002 )  
 For : PUMP LIGHT SOURCE DEVICE )  
 FOR OPTICAL RAMAN )  
 AMPLIFICATION AND OPTICAL )  
 RAMAN AMPLIFICATION SYSTEM )  
 USING THE SAME )  
 Examiner : Unknown )



ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

COPY OF PAPERS  
 ORIGINALLY FILED

United States Patent and Trademark Office  
 PO BOX 2327  
 Arlington, VA 22202

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone

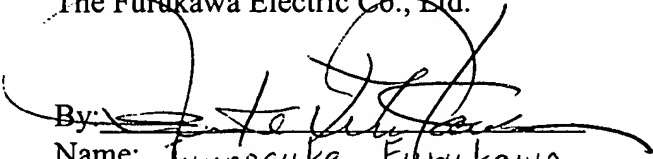
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(949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

The Furukawa Electric Co., Ltd.

Dated: May 14, 2002

By:   
Name: Junnosuke Furukawa

Title: President

Address: 6-1, Marunouchi 2-chome, Chiyoda-ku  
Tokyo 100-8322, JAPAN

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ASSIGNMENT

WHEREAS, WE (1) Shunichi Matsushita, a Japanese citizen, residing in Tokyo, Japan; (2) Yoshihiro Emori, a Japanese citizen, residing in Tokyo, Japan; and (3) Shu Namiki, a Japanese citizen, residing in Tokyo, Japan, hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in **PUMP LIGHT SOURCE DEVICE FOR OPTICAL RAMAN AMPLIFICATION AND OPTICAL RAMAN AMPLIFICATION SYSTEM USING THE SAME**, the specification of which was filed on January 30, 2002 as Application No. 10/062,189.

AND WHEREAS, The Furukawa Electric Co., Ltd., with its principal place of business at 6-1 Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 10<sup>th</sup> day of May, 2002

Shunichi Matsushita  
Signature of Shunichi Matsushita

This 10<sup>th</sup> day of May, 2002

Yoshihiro Emori  
Signature of Yoshihiro Emori

This 10<sup>th</sup> day of May, 2002

Shu Namiki  
Signature of Shu Namiki

Witnessed by:

Tarjiro Takase  
Print Name: Tarjiro Takase

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